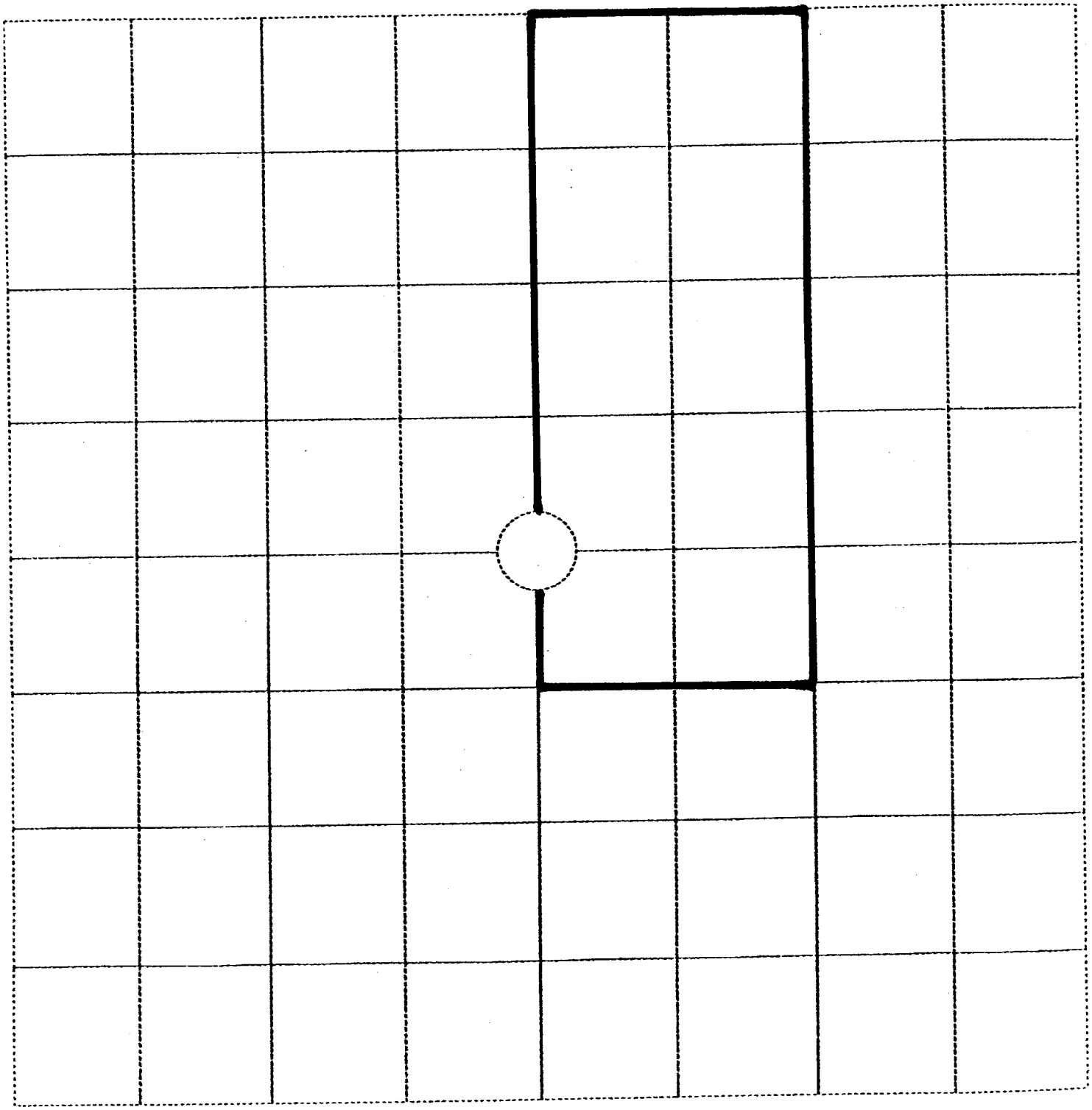
OKLAHOMA DE RTMENT OF AGRICULTURE, F OD, & FORESTRY
AGRICULTURAL ENVIRONMENTAL MANAGEMENT SERVICES
Legal Location Platt

NORTH

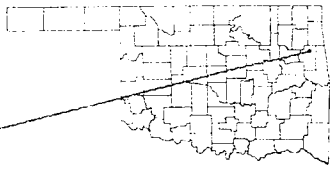
Size:
10 acre

Scale:
1" = 660'

Facility Name Gary Fisher
Legal Desc. ___, ___, ___ Sec 9 T18N R22E Mer. ___
County Cherokee



S9 T18N R22E
Cherokee County, OK



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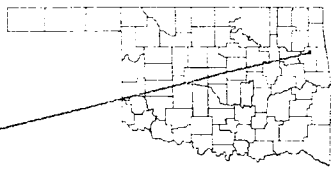
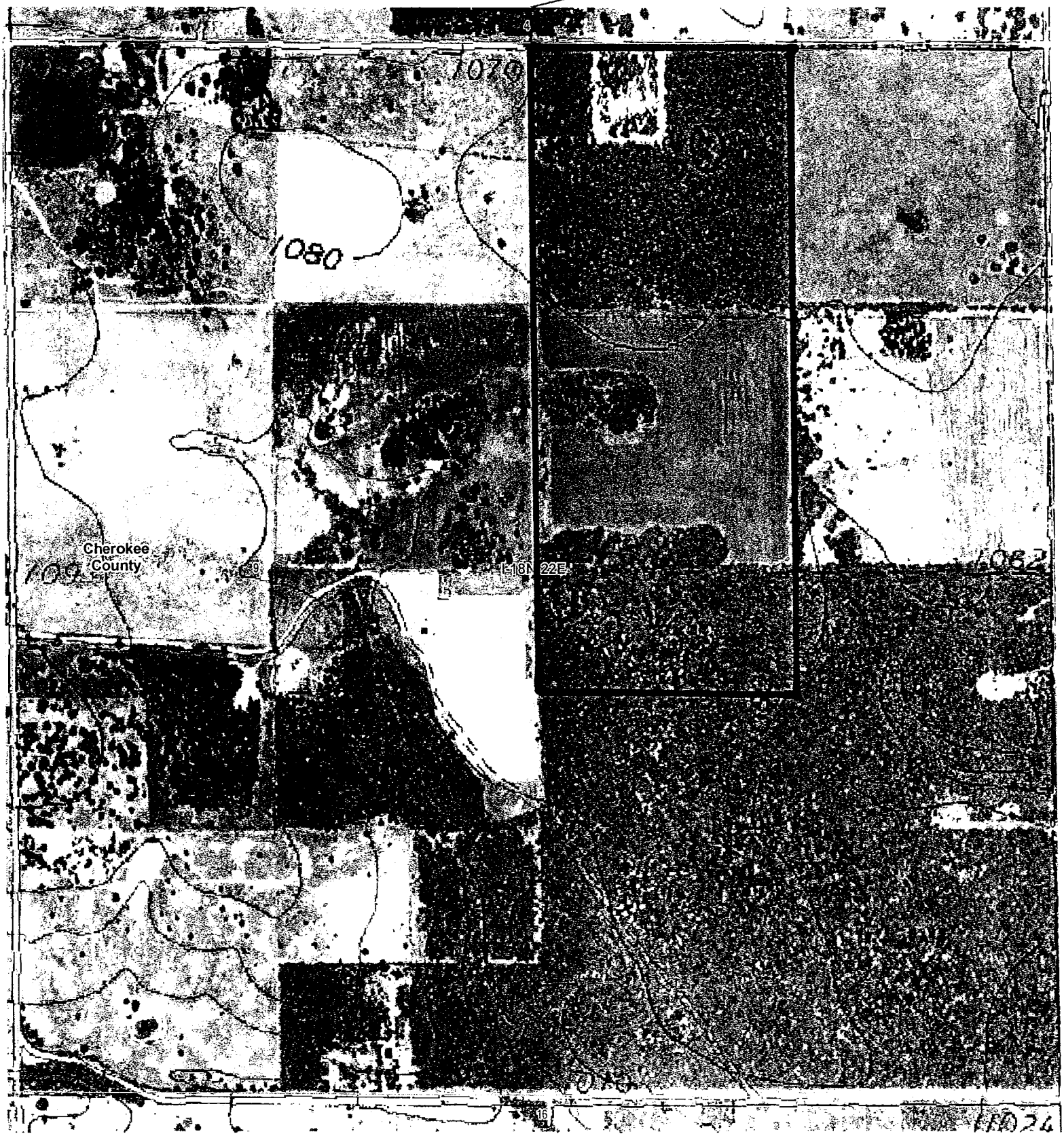
S9 T18N R22E
Cherokee County, OK





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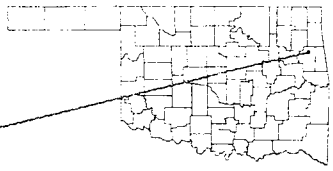
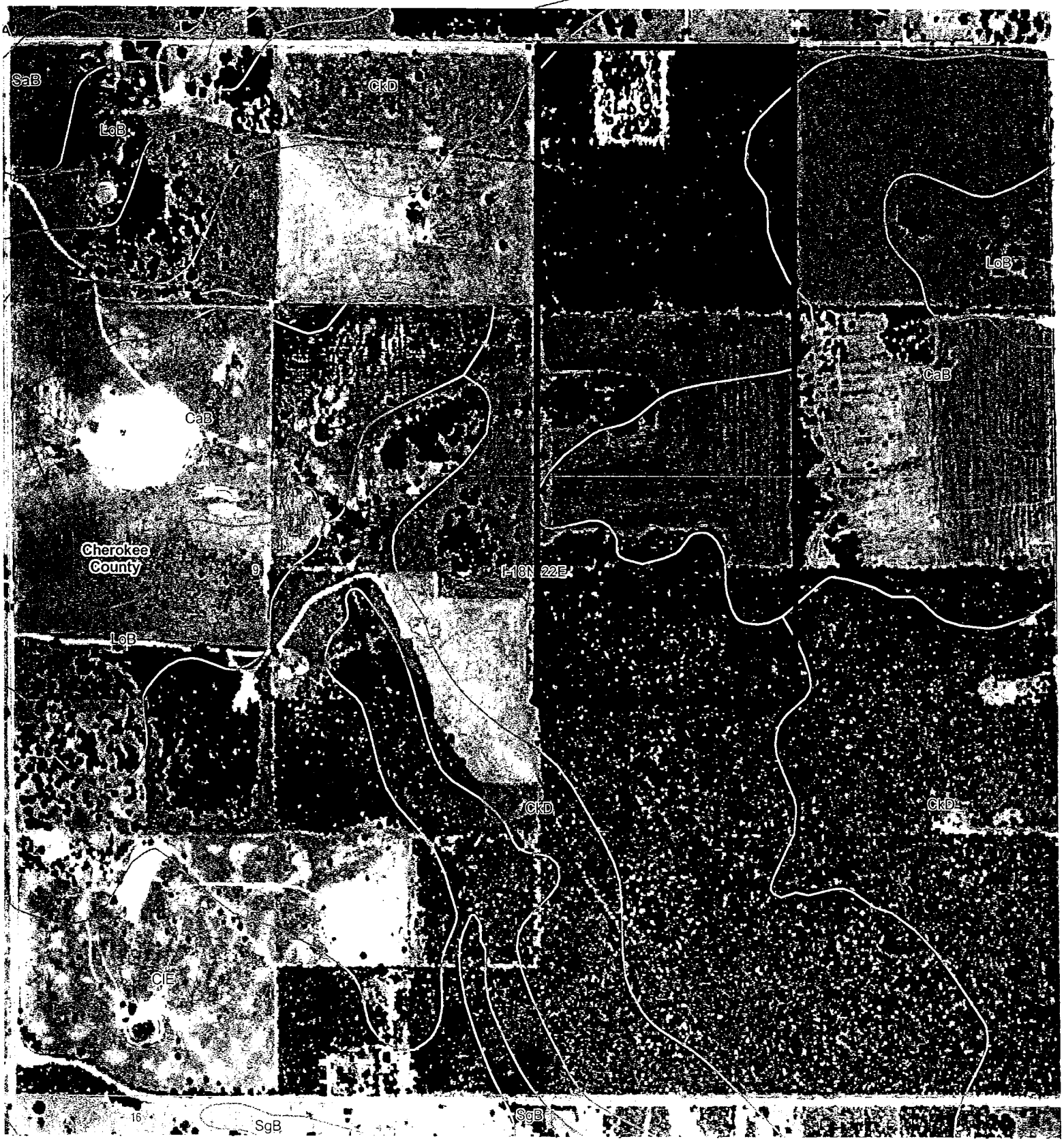
Cherokee County, OK





0 660 1320 1980 2640 Feet

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OKLAHOMA COOPERATIVE EXTENSION SERVICE

SOIL, WATER & FORAGE ANALYTICAL LABORATORY
Division of Agricultural Sciences and Natural Resources • Oklahoma State University
Plant and Soil Sciences • 045 Agricultural Hall • Stillwater, OK 74078
Email: soils_lab@mail.pss.okstate.edu
Website: www.soiltesting.okstate.edu

SOIL TEST REPORT

Field 10 Sec 9

CHEROKEE CTY EXTENSION OFFICE

908 S COLLEGE
TAHLEQUAH, OK 74464
(918) 456-6163

Name: Gary Fisher

Location: # 10

Lab ID No.: 458983
Customer Code: 11
Sample No.: 3662
Received: 4/10/2007
Report Date: 4/12/2007

- Routine Test -		- Secondary Nutrients -		- Micronutrients -	
pH:	4.9	SO_4-S(lbs/A)		Fe (ppm):	
Buffer Index:	6.6	Surface:		Zn (ppm):	
NO_3-N(lbs/A)		Subsoil:		B (ppm):	
Surface:	34	Ca (lbs/A):		Cu (ppm):	
Subsoil:		Mg (lbs/A):			
Soil Test P Index:	55				
Soil Test K Index:	134	- Additional Tests -			

INTERPRETATION AND REQUIREMENTS FOR *No Crop Provided* **(YIELD GOAL =)**

- Test -	- Interpretation -	- Requirement -	- Recommendations and Comments -
			For Litter

Signature

OKLAHOMA DEI RTMENT OF AGRICULTURE, FC), & FORESTRY

AGRICULTURAL ENVIRONMENTAL MANAGEMENT SERVICES

Legal Location Platt

NORTH

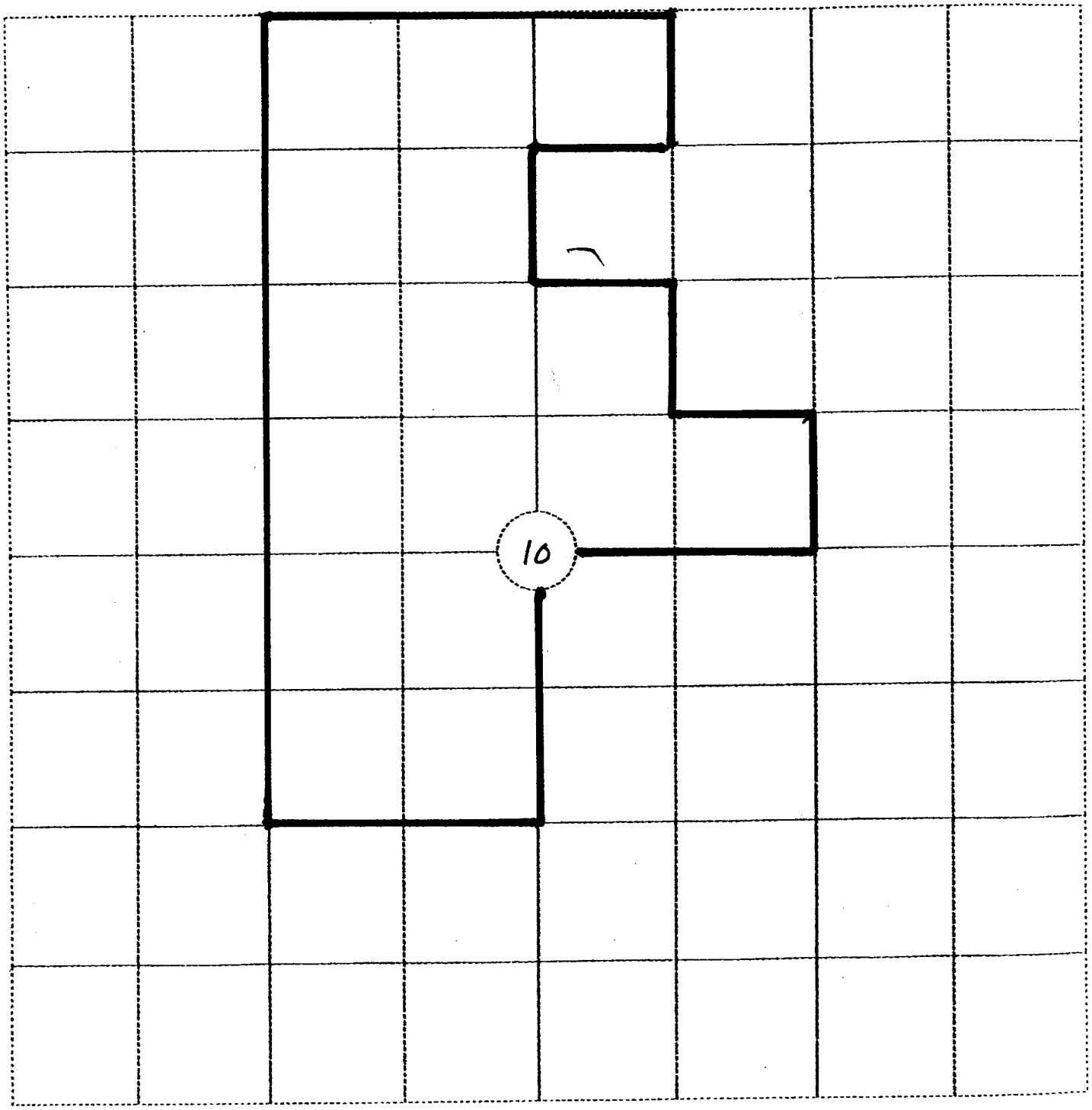
Size: 10 acre

Scale: 1" = 660 '

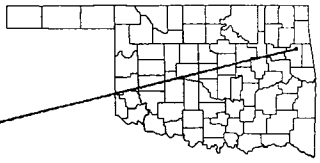
Facility Name Gary Fisher

Legal Desc. ___, ___, ___ Sec 10 T 18N R 22E Mer. ___

County Cherokee



S10 T18N R22E
Cherokee County, OK



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(2009 Cargill supp-0082)

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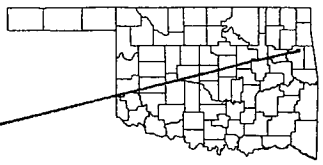
Cherokee County, OK



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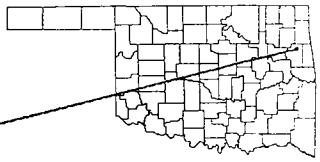
Produced by the Oklahoma Department of Agriculture Geographic Information System.

S10 T18N R22E
Cherokee County, OK



0 660 1320 1980 2640 Feet

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SOIL, WATER & FORAGE ANALYTICAL LABORATORY

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Email: soils_lab@mail.pss.okstate.edu
Website: www.soiltesting.okstate.edu

SOIL TEST REPORT

Field 9 Sec 10

CHEROKEE CTY EXTENSION OFFICE

808 S COLLEGE
TAHLEQUAH, OK 74464
(918) 456-6163

Name: Gary Fisher

Location: #9

Lab ID No.: 458982
Customer Code: 11
Sample No.: 3661
Received: 4/10/2007
Report Date: 4/12/2007

- Routine Test -		- Secondary Nutrients -	- Micronutrients -
pH:	4.4	SO_4-S(lbs/A)	Fe (ppm):
Buffer Index:	6.2	Surface:	Zn (ppm):
NO_3-N(lbs/A)		Subsoil:	B (ppm):
Surface:	22	Ca (lbs/A):	Cu (ppm):
Subsoil:		Mg (lbs/A):	
Soil Test P Index:	181		
Soil Test K Index:	318	- Additional Tests -	

INTERPRETATION AND REQUIREMENTS FOR *No Crop Provided* **(YIELD GOAL =)**

- Test -	- Interpretation -	- Requirement -	- Recommendations and Comments -
			For Litter

Roger Williams
Signature

OKLAHOMA DEPARTMENT OF AGRICULTURE, FOOD & FORESTRY
AGRICULTURAL ENVIRONMENTAL MANAGEMENT SERVICES

Legal Location Platt

NORTH

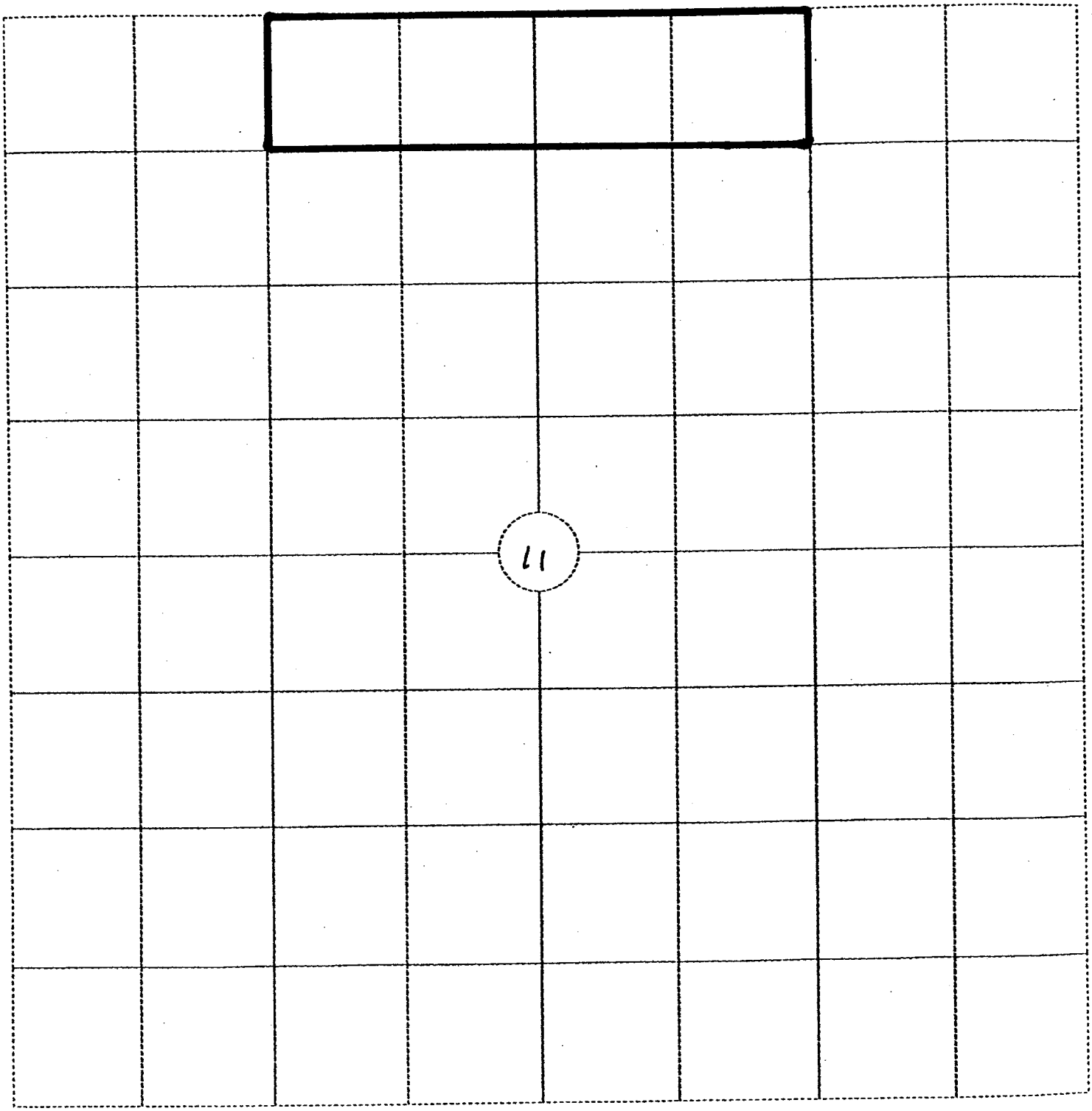
Size: 10 acre

Scale: 1" = 660'

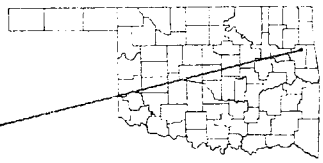
Facility Name Gary Fisher

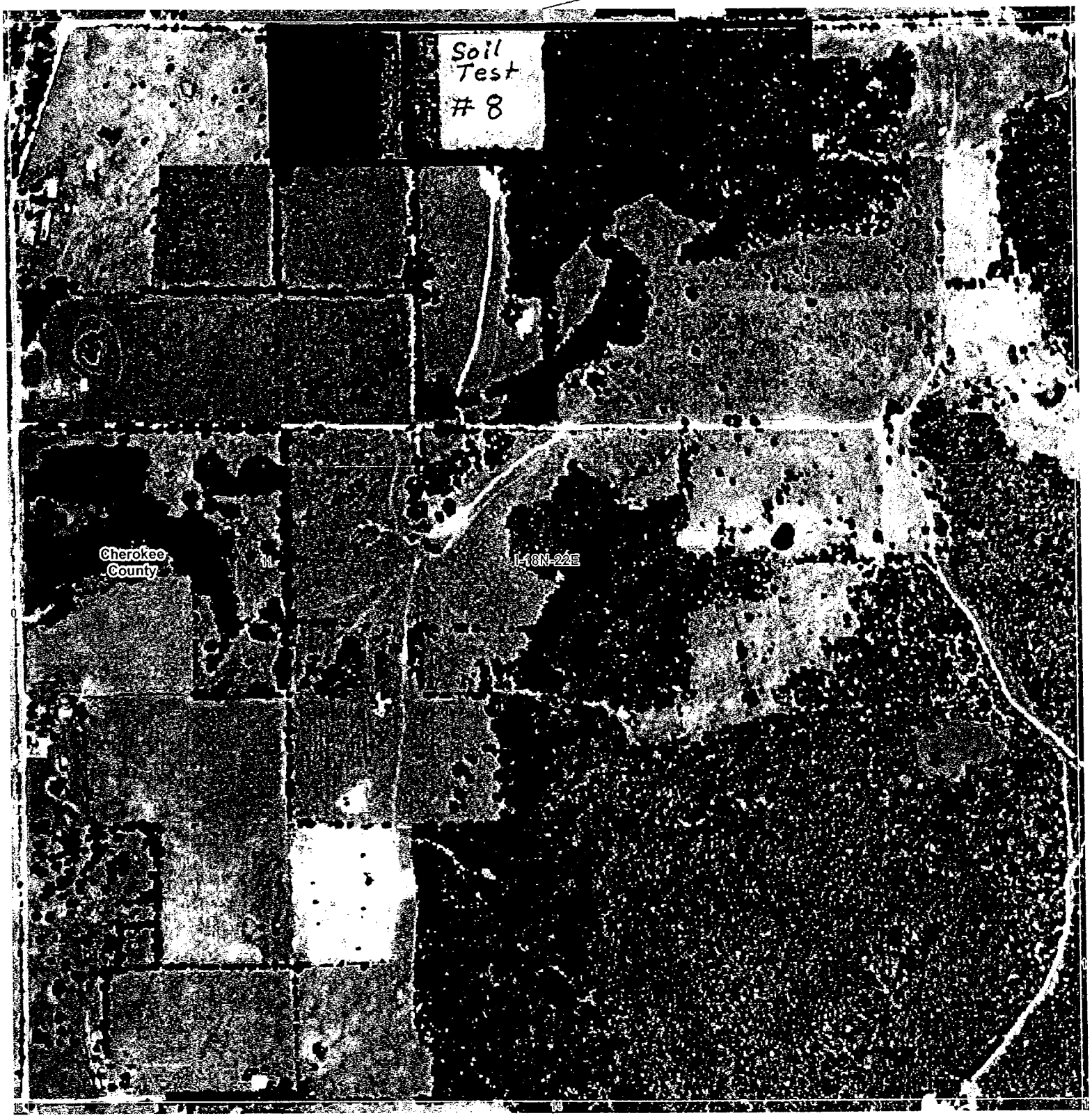
Legal Desc. ___, ___, ___ Sec 11 T18N R22E Mer. ___

County Cherokee



S11 T18N R22E
Cherokee County, OK





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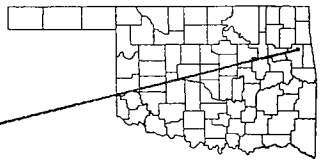
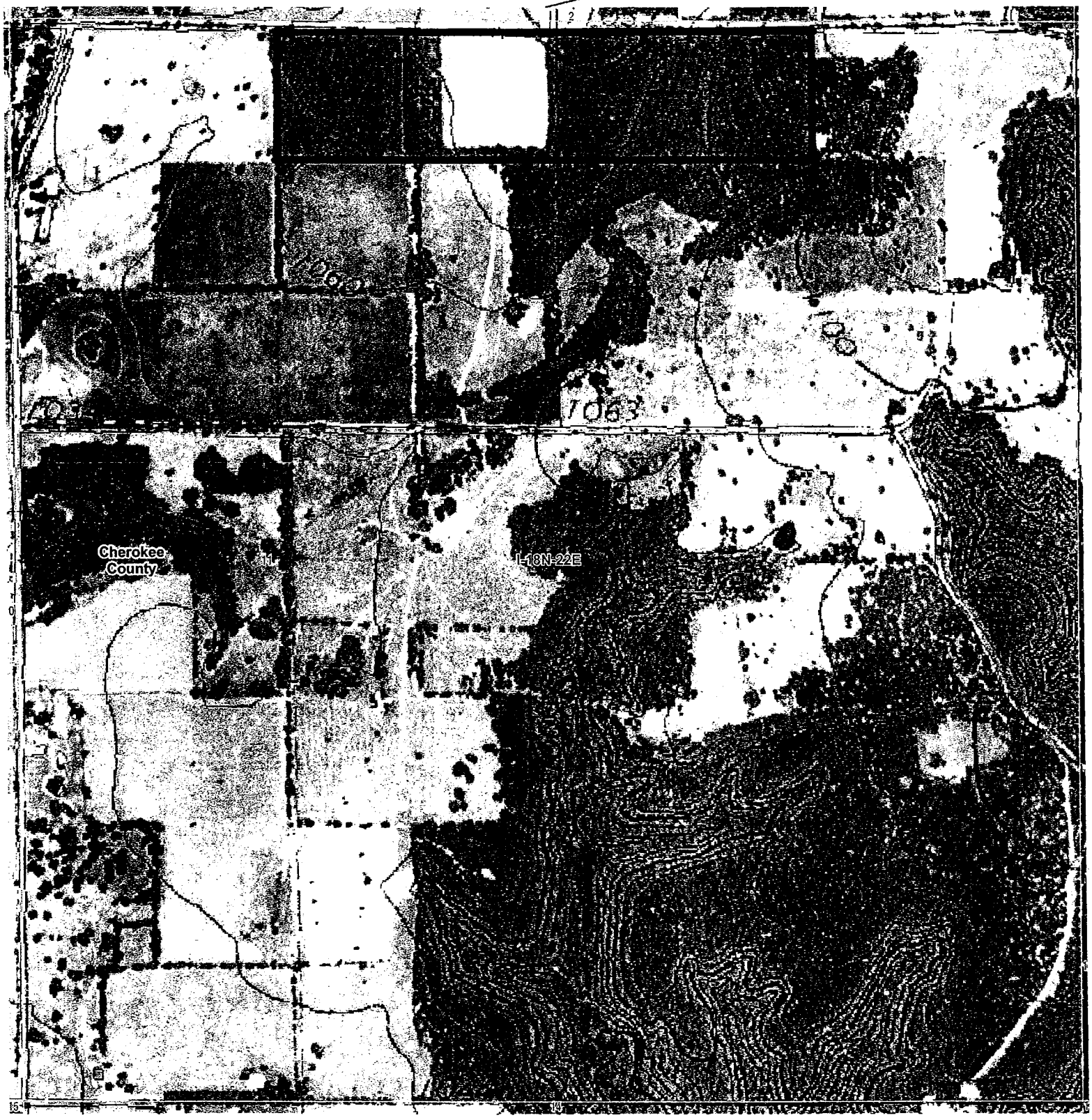
S11 T18N R22E
Cherokee County, OK





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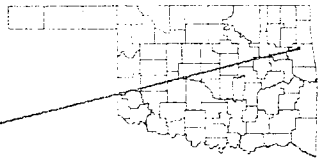
Cherokee County, OK



0 660 1320 1980 2640 Feet

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(2009 Cargill supp-0089)

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Email: soils_lab@mail.pss.okstate.edu
Website: www.soiltesting.okstate.edu

SOIL TEST REPORT

Field 8 Sec 11

CHEROKEE CTY EXTENSION OFFICE

908 S COLLEGE
TAHLEQUAH, OK 74464
(918) 456-6163

Name: Gary Fisher

Location: #8

Lab ID No.: 458981
Customer Code: 11
Sample No.: 3660
Received: 4/10/2007
Report Date: 4/12/2007

- Routine Test -		- Secondary Nutrients -	- Micronutrients -
pH:	5.2	SO_4-S(lbs/A)	Fe (ppm):
Buffer Index:	6.6	Surface:	Zn (ppm):
NO_3-N(lbs/A)		Subsoil:	B (ppm):
Surface:	18	Ca (lbs/A):	Cu (ppm):
Subsoil:		Mg (lbs/A):	
Soil Test P Index:	18		
Soil Test K Index:	100	- Additional Tests -	

INTERPRETATION AND REQUIREMENTS FOR *No Crop Provided* **(YIELD GOAL =)**

- Test -	- Interpretation -	- Requirement -	- Recommendations and Comments -
			For Litter

Roger Williams
Signature

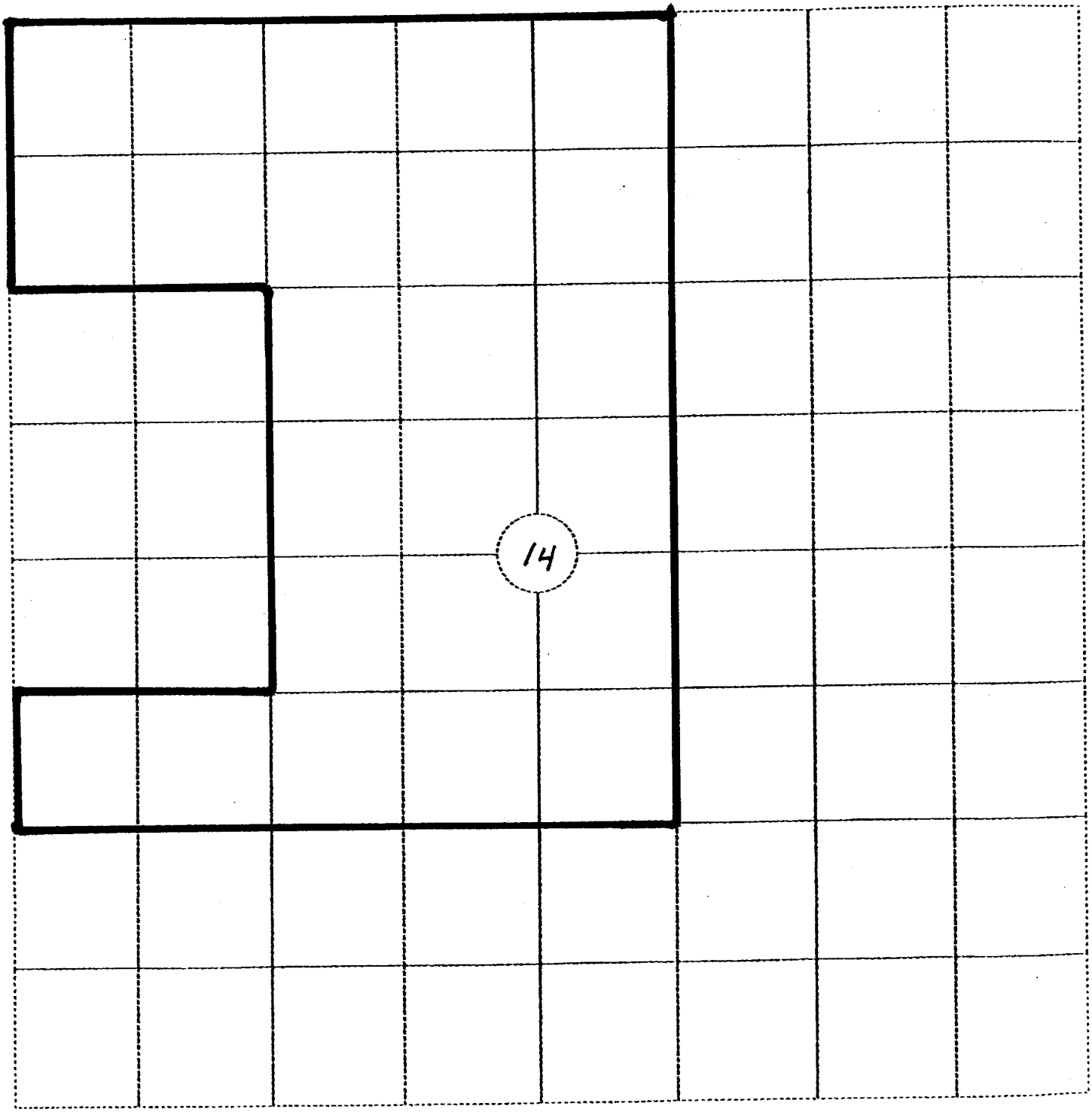
OKLAHOMA DE RTMENT OF AGRICULTURE, F D, & FORESTRY
AGRICULTURAL ENVIRONMENTAL MANAGEMENT SERVICES
Legal Location Platt

NORTH

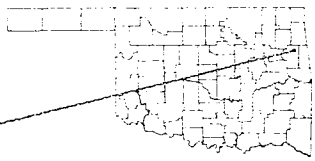
Size:
10 acre

Scale:
1" = 660'

Facility Name Gary Fisher
Legal Desc. ___, ___, ___ Sec 14 T 18N R 22E Mer. ___
County Cherokee



S14 T18N R22E
Cherokee County, OK



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Produced by the Oklahoma Department of Agriculture Geographic Information System.

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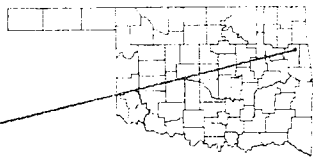
Cherokee County, OK



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Produced by the Oklahoma Department of Agriculture Geographic Information System.

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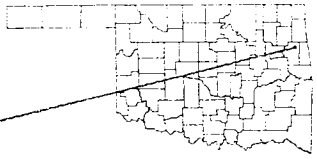
Cherokee County, OK



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SOIL TEST REPORT

Field 13 Sec 14

CHEROKEE CTY EXTENSION OFFICE

908 S COLLEGE
TAHLEQUAH, OK 74464
(918) 456-6163

Name: Gary Fisher

Location: # 13

Lab ID No.: 458984
Customer Code: 11
Sample No.: 3663
Received: 4/10/2007
Report Date: 4/12/2007

- Routine Test -		- Secondary Nutrients -	- Micronutrients -
pH:	5.3	SO_4-S(lbs/A)	Fe (ppm):
Buffer Index:	6.7	Surface:	Zn (ppm):
NO_3-N(lbs/A)		Subsoil:	B (ppm):
Surface:	7	Ca (lbs/A):	Cu (ppm):
Subsoil:		Mg (lbs/A):	
Soil Test P Index:	12		
Soil Test K Index:	85	- Additional Tests -	

INTERPRETATION AND REQUIREMENTS FOR *No Crop Provided* **(YIELD GOAL =)**

- Test -	- Interpretation -	- Requirement -	- Recommendations and Comments -
			For Litter

Roger Williams
Signature

K. RECOMMENDED LITTER APPLICATION RATES

Regulatory requirements under the Oklahoma Registered Poultry Feeding Operations Act recommends no more than 200 lbs Of phosphorus be applied to the soil per ac./yr., providing the soil phosphorus is less than 250 lbs per acre. If the soil phosphorus is above 250 lbs per acre, but less than 400 lbs per acre, no more than 100 lbs of phosphorus can be applied. If the soil phosphorus is more than 400 lbs per acre, no phosphorus can be applied. If the maximum amount of litter that can be applied does not supply sufficient nitrogen for the desired production, nitrogen from other sources can be applied (ex. Ammonium nitrate).

The litter and soil samples were taken on April 14, 2007 and tested for nutrient content at the OSU Soil, Water and Forage Analytical Laboratory in Stillwater, Oklahoma.

Test results of litter sample from this operation indicates:

pH-8.7
N-55 lbs/ton
P-95 lbs/ton
K-61 lbs/ton

Test results of soil samples from this operation indicates:

Soil Sample	pH	N lbs/ac	P lbs/ac	K lbs/ac
4A (sec. 1)	4.7	11	37	95
#1 (sec. 2)	5.1	80	206	542
#3 (sec.2)	5.0	18	29	219
#6 (sec.2)	4.7	22	34	165
#16 (sec.3)	5.5	15	31	880
#10 (sec.9)	4.9	34	55	134
#9 (sec.10)	4.4	22	181	318
#8 (sec.11)	5.2	18	18	100
#13 (sec.14)	5.3	7	12	85

The litter test indicates there is 95 lbs of phosphorus per ton of litter. To remain below the 200 lbs per acre application rate, apply no more than 2.1 tons of litter per acre per year. The soil phosphorous level in all fields is less than 250 lbs per acre, therefore the full rate of 2.1 tons of litter can be applied if desired. The application of 2.1 tons of litter per acre will supply approximately 116 lbs of Nitrogen, and 128 lbs of Potassium per acre. The application of 2.1 tons of litter should supply sufficient nutrients to produce approximately 2 to 3 tons of bermuda grass per acre.

The full rate of 2.1 tons of litter per acre can be applied unless some characteristic of the soil limits or restricts the use of litter.

Do not apply litter on soil map unit ClF because of steep slopes and stones on surface.

Do not apply litter on soil map unit Es because of frequent flooding.

On soil map unit ClE, only apply ½ the full rate of 2.1 tons of litter which will be 1.2 tons per acre, because of the combination of strong slopes and stones on surface. Do not apply litter on slopes greater than 15 percent.

L. DEAD BIRD DISPOSAL

1. Birds from normal death loss are composted.
2. In the event of catastrophic death loss, contact the director of water quality of the Oklahoma Department of Agriculture within 24 hours at (405)521-3864.

M. WASTE UTILIZATION GUIDELINES:

1. All waste will be applied in accordance with all state and local laws and ordinances.
2. All waste applications will be timed to minimize pollution.
   Any one of the following conditions will prohibit the surface application of litter.
   A. High velocity wind is toward a populated area.
   B. There is a high probability of a runoff producing rainfall.
   C. The ground is frozen.
   D. Saturated soil condition exist.
3. Spread litter during growing season of dominant plants
4. Do not apply to actively eroding areas.
5. Do not apply on shallow soils (less than 10 inches deep), on slopes greater than 15 percent, or on stoney areas.

N. BEST MANAGEMENT PRACTICES:

1. Apply litter not to exceed amounts given in this waste management plan or a revised recommendation based on new soil and litter tests.
2. Obtain new soil and litter tests at least every three years.
3. Secure enough soil tests to adequately represent the conditions on your farm. Generally one composite soil sample is needed for each 40 acres where litter is to be applied.
4. Maintain a good growth of grass at all times. Bermuda grass should not be less than four inches tall. This reduces runoff, erosion, and nutrient loss.
5. Control weeds and brush to maintain a good stand of bermuda grass.
6. Do not apply litter within 50 to 100 feet of streams, ponds, and water wells. Buffer strips should be maintained along these areas.

O. ADDITIONAL INFORMATION:

1. The dominant grass of this operation is common bermuda grass.
2. Average yearly litter production will be approximately 460 tons.
3. This plan is being revised because the original plan dated May 1999 is more than six years old.